FIG. 1

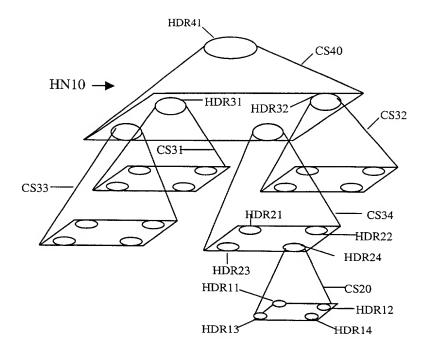


FIG. 2

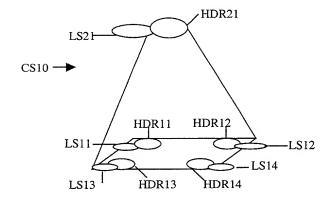


FIG. 3

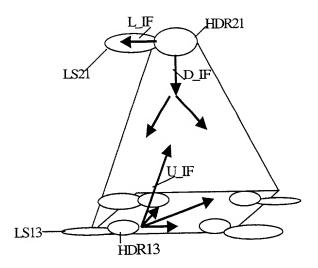


FIG. 4

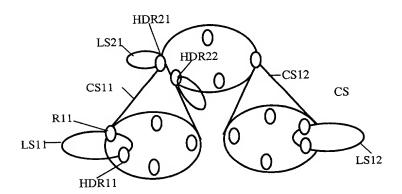


FIG. 5

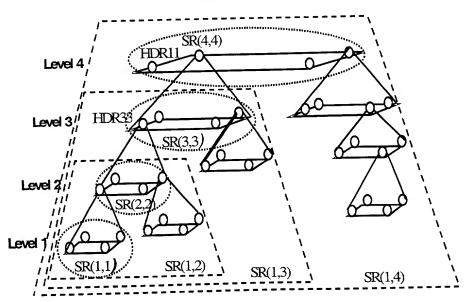
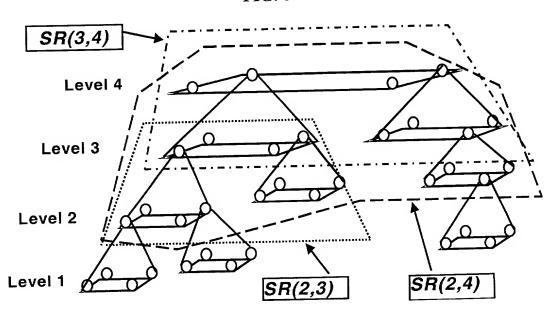


FIG. 6



- - Los (Mr) 10: 1 1 1 1 1

onto the military of the second

FIG. 7

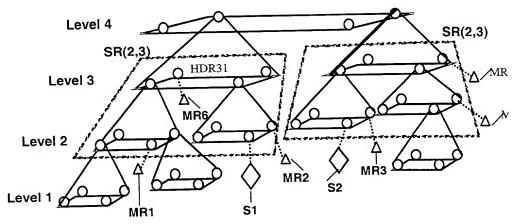
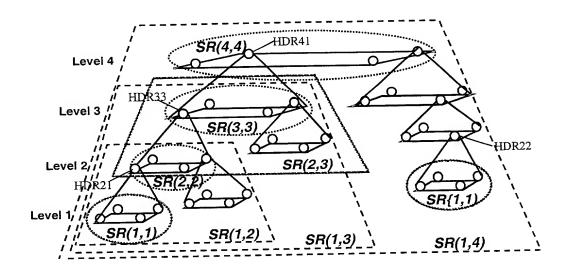
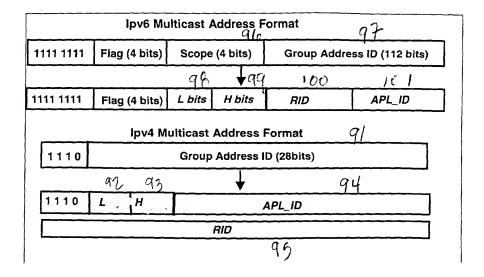


FIG 8





APP1313 Lee et al.

Scope region of GA[SR(2,4), Null, aaa]

HO Q 41

Level 3

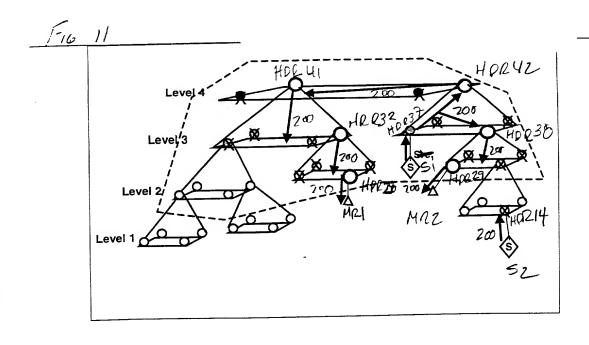
Level 2

Level 2

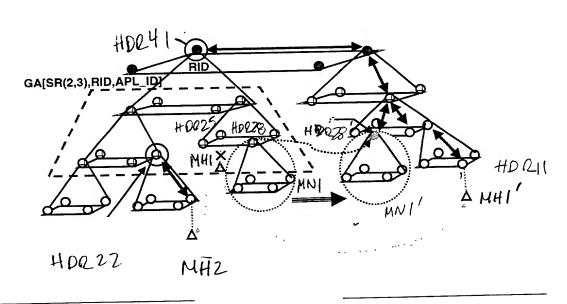
Level 1

MQ 1

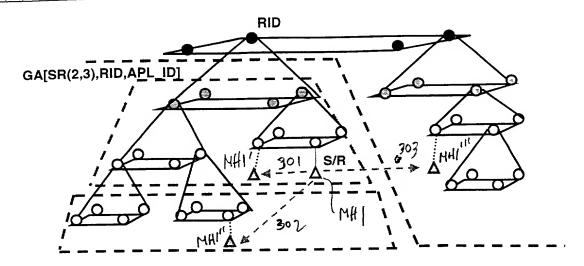
MQ 2



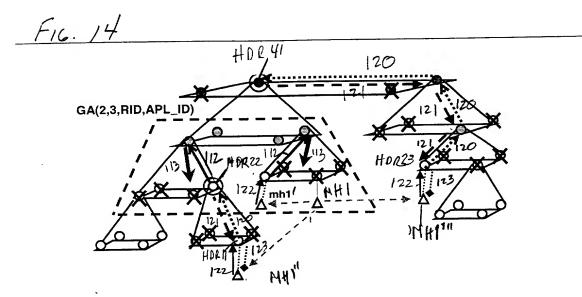
F16 12



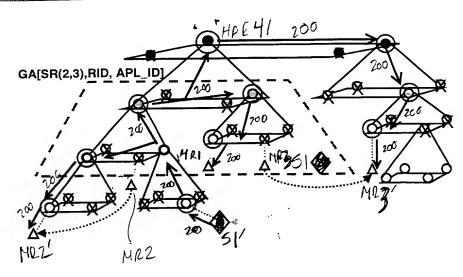
F14.13



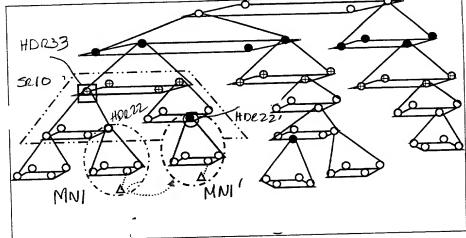
APP1313 Lee et al.

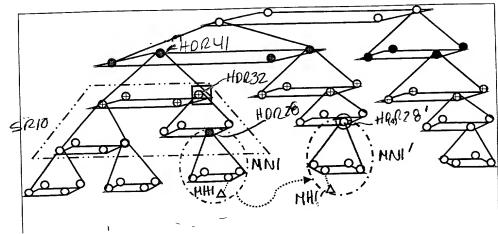


111-8

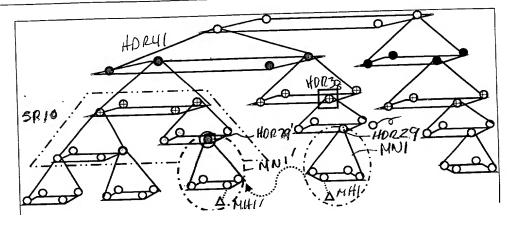








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HDR41

HDR20

HDR20

HDR26

HDR26

HDR26

HDR278

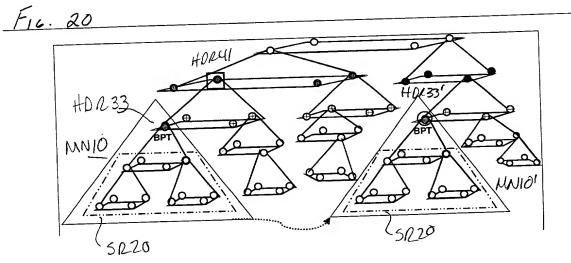
HDR278

HDR278

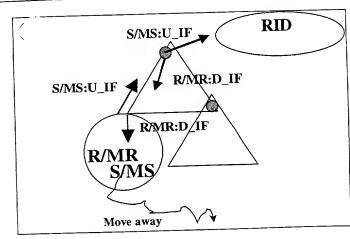
HDR278

Miti

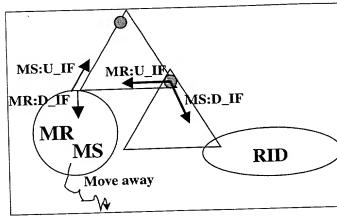
APP1313 Lee et al.



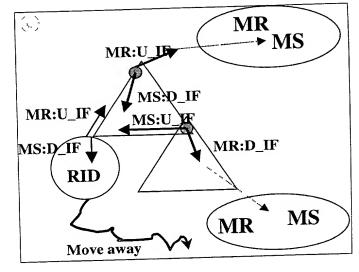
F16. 21 A

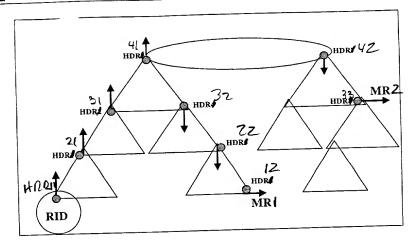


F16. 21 B

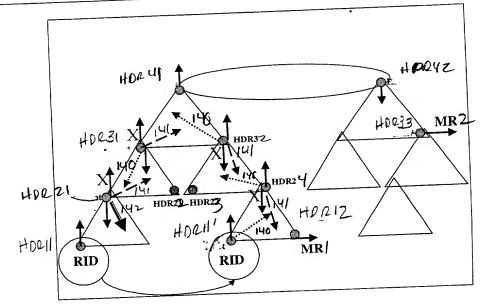


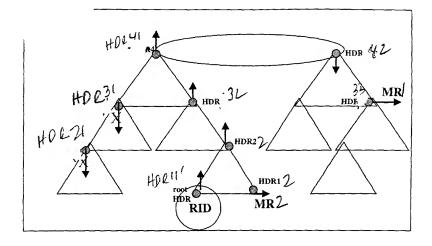
F16. 21C





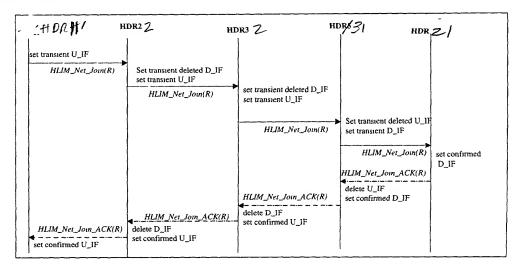
APP1313 Lee et al.

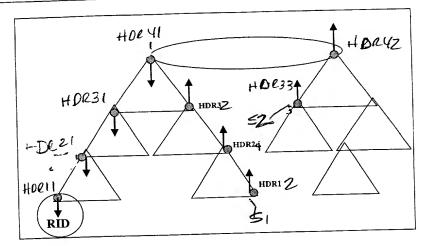




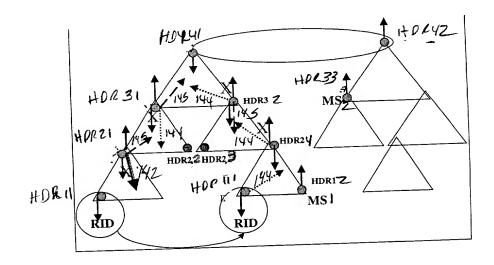
APP1313 Lee et al.

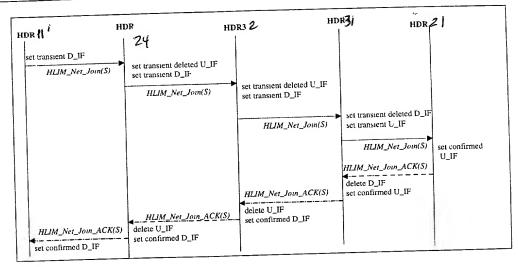
F14.25





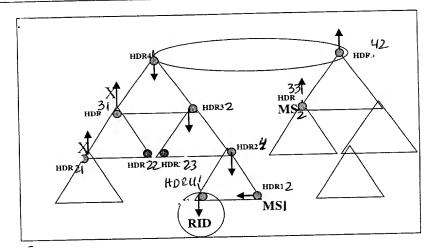
APP1313 Lee et al.



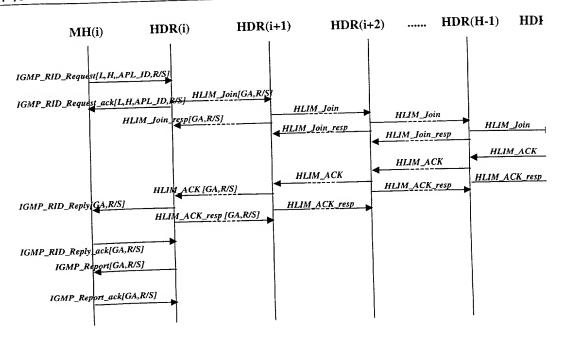


APP1313 Lee et al.

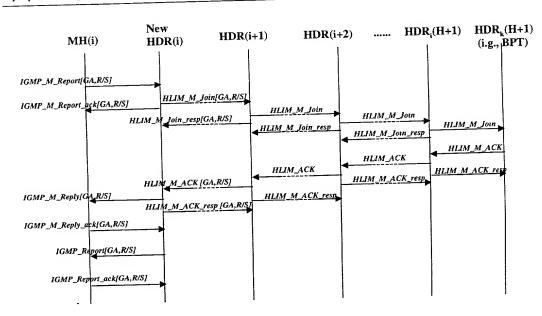
F16.29

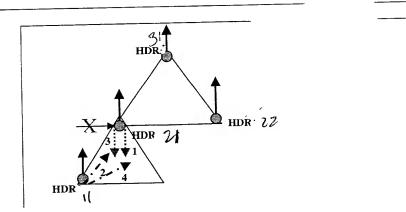


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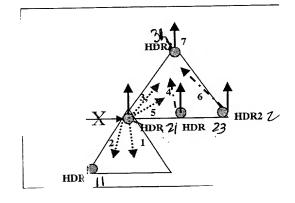


APP1313 Lee et al.

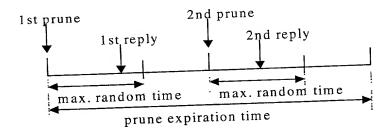


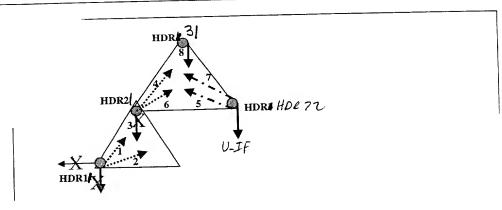


Fic. 33



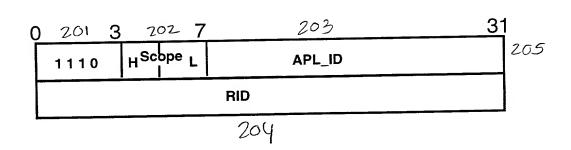
APP1313 Lee et al.

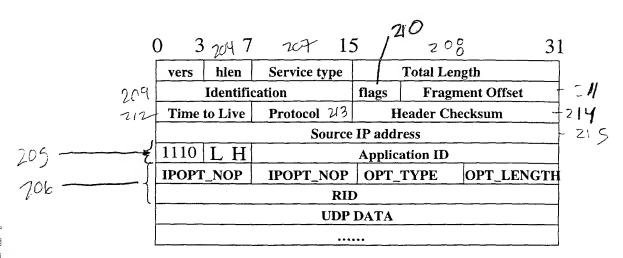




APP1313 Lee et al.

Fic. 36





F16.38

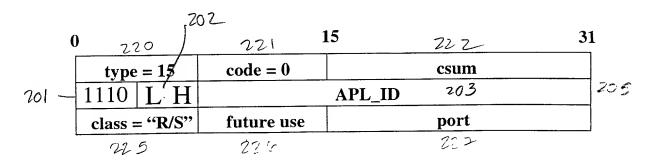
2	20	221	222
	type	Code / Max Resp Time	checksum

APP1313 Lee et al.

F16.39

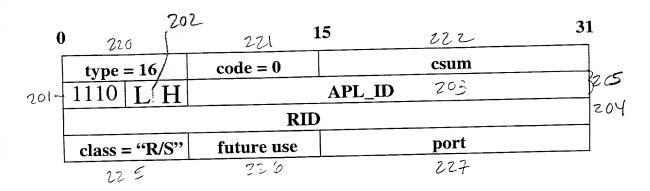
	204	207 /	15 / ?!!	2 <i>0</i> 8	
vers	hlen	Service type		Total Length	
Identificati		cation	flags	flags Fragment Offset	
Time to	Live= 1	Protocol = 2	Н	eader Checksum	
Source IP address					
Destination IP address = content specific to message type					

and control of the state of the



APP1313 Lee et al.

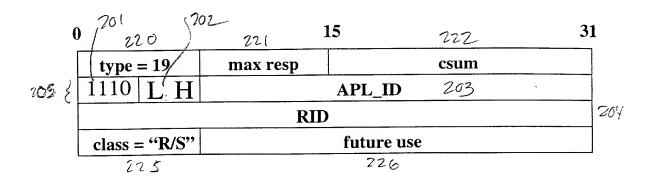
F16. 41



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F16. 42

0 220 221 15 272 31
type = 17 max resp csum



APP1313 Lee et al.

F16. 44

0 220

22 15

222

31

type = 23 code = 0 csum

APP1313 Lee et al.

0	220	221	15	272	31
	type = 24	code = 0		csum	250
	old RID				
	new RID				

F16. 48

() 3	3 204 7	707 1	5 310	798	31
	vers	hlen	Service type		Total Length	
209		Identific	ation	flags	Fragment Offset	2!!
212	Time to	Live= 1	Protocol = 2	Header Checksum		2.10
	Source IP address					215
205	Destination IP address = all-HLIM group (244. 0. 0. 22)					
						<u></u>
0	27	20	221 1	5	272	31
	type =	= 25	code		csum	

APP1313 Lee et al.

F16. 47 202 201 31 15 272 221 type $\neq 25$ code = 1csum 1110^{1} APL_ID 205 204 **RID** class = "R/S" future use 226 22 5

> APP1313 Lee et al.

220 201 , 202 221 15 31 272 code = 2csum type = APL_ID 205 201 **RID** 226 class = "R/S" future use 225 **Route Info** 230

0 27 0 22 15 222 31

type = 25 code = 3 csum

HDR(N)

HDR(N-1)

HDR(k+1)

232

APP1313 Lee et al.

F16.50

0 220 221 15 222 31

type = 25 code = 4 csum

APP1313 Lee et al.

F16. 51

0 220 221 15 222 31

type = 25 code = 11 csum

preference future use

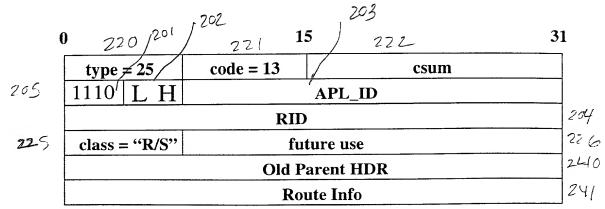
228 226

APP1313 Lee et al.

F16. 52

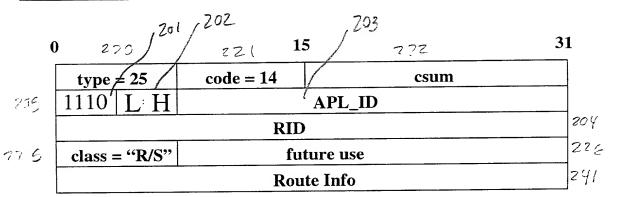
0 220 221 15 222 31 type = 25 code = 12 csum

F16. 53



APP1313 Lee et al.

F16. 54



APP1313 Lee et al.

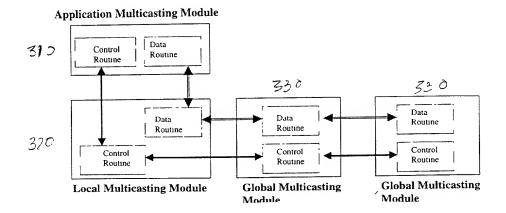
0	220	721 15	272	31	
Γ	type = 25	code = 15	csum		
	242				
	New RID				

0 270 271 15 272 31 type = 25 code = 16 csum

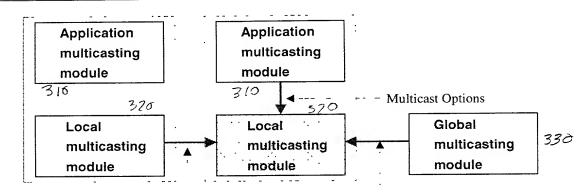
APP1313 Lee et al.

253 772 320 77. type = 25 code = 17Len_S_In Len_S_Out Len_R_In HGA₁ APL_ID RID Len_R_In APL ID RID APL_ID RID Len_S_In APL ID RID APL_ID 1110 L H RID Len_R_Out APL ID RID 1110 Н APL_ID RID L H APL ID

RID

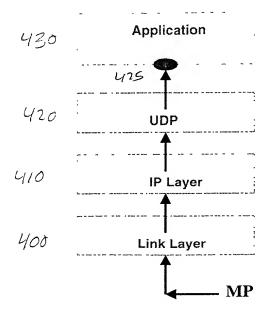


APP1313 Lee et al.



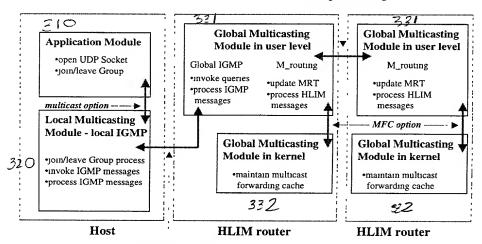
LMM IGMP messages

GMM IGMP messages

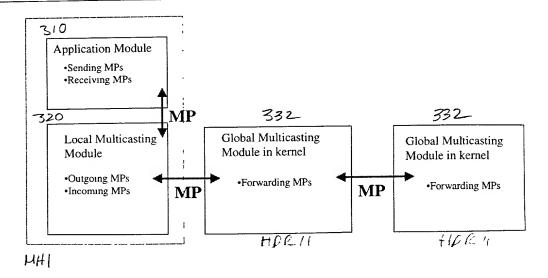


F16.61

HLIM global messages

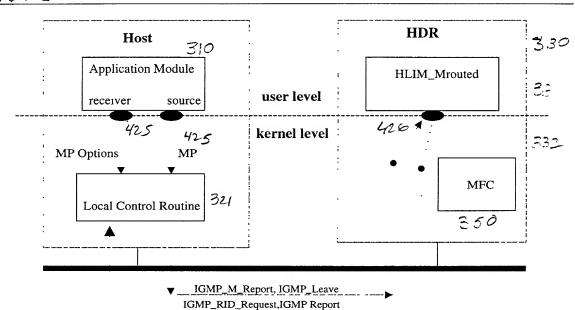


HLIM IGMP messages

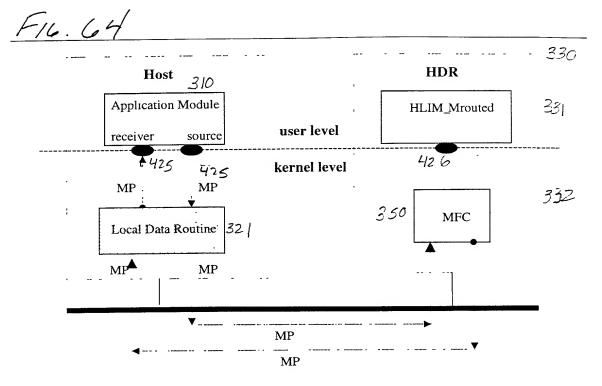


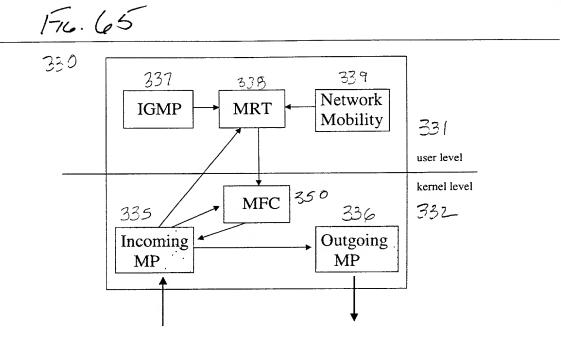
APP1313 Lee et al.

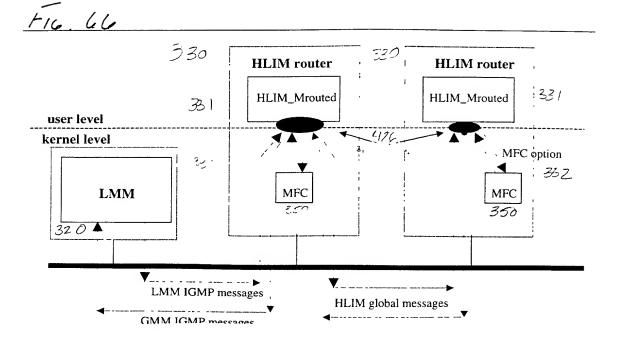
F16.63



IGMP_RID_Reply, IGMP_Query, IGMP_Group_Query, IGMP_Hello, IGMP_Flush







APP1313 Lee et al.

